

The Purchasers Pinnace, Or, The Bargainees Brigantine.
Bearing each Boarder to T E R R A F R V G I, or Thrifts Territories.

Substantially shadowed in a new inuented Arithmetical Table.

Plainely presenting, and vpon the first sight declaring
The present worth of any Rent, Lease, or Annuitie in Possession or Reuersion.

Most vsefull aswell for the Seller as the Buyer, that neither of them may be ouer-reacht.

A L S O,

Penkethman his President, Or, The new Art of Accompt:

Deciphered in the Money-Masters Map.

Which conteineth a Two-fold Index of Interest money, at 8. £. and 10. £. per Cent.

For any Summe from 1000. £. to a £. And for any time from a yeare to a Day.

Neuer to be altered vpon any future Impression, for that the Author (as he ingenuously confesseth) cannot
better These, and confidently presumeth None other can.

Whereunto is annexed

- 1 A Table shewing the Remedies or Allowances vpon all sorts of light or baser golden Coynes; besides diners other necessarie Notes concerning such Coynes.
- 2 A plaine Direction for the easie computing of Interest at 7. li. 10. s. 7. ii. 6. li. 13. s. 4. d. and 6. ii. per Cent. by the Table at 10. per Cent.
- 3 The like Direction for the rebating of Interest for moneys received before the due time, after the rate of 8. li. per Cent. Besides the Authors Admonition, conteining a Caueat for the auoyding of sundrie erroneous Tables extant, and diners needfull Instructions touching Purchases and Accompts, by way of Question and Answer, and unfolding the more copious Use and Benefit of his Tables of Simple Interest aforesaid.

Inuented and composed by John Penkethman publike Writer.

A me, si tua ames commoda, emesq; mea.

At London printed by John Haviland, and are to be sold at the Authors shop against the Rolles in Chancerie Lane,
who for a wager will warrant and maineine the same to be true and perfect thorowout.

Let Others, his Apes or Vsurpers of his Labours, doe the like by theirs, if they dare.

ca. 1625

The studious Inuentor to the purchasing Peruser.

About the false positions and pretences, or insufferable abuses by arrogating Ages, and derogating Domes, contrarie to the Rule of Fellowship (I might say, Hesitie) on me multiplied or inflicted, did lately beget a strange Division, or vntyme Fraction in my restlesse minde, studiously travelling in the Arithmeticall Road, mouing the same to take vp a settled Rest without any further progression or proceeding. Yet some urgent causes expressed, in mine Admonition following, have induced me to make this new Edition, with a large Addition, whih I will maintaine to be truly computed after the Rate of 8. lt. per Cent. some small Fractions not worth regard, only omitted.

Yet lest an Objection should be made against the soundnesse of this Pinnace, or the equitie of this Table, by some Traders in such kinde of Traffike, who refuse to saile therein, or be directed thereby, perswading themselves that a Rent cannot be worth so much as is therein specified; I doe auerre and will approue, that whosoever will give for a Rent such a Summe, as the same directs, shall by that Rent receive his mony bagaine with Interest upon Interest, which is as much as he can lawfully desire. The Increase of the Rent being equall, or alike in quantitie to the Increase of the Summe paid for it, whereby the Bargaine appeares equall on either part, as the exchanning of a peice of xx. g. in gold for xx. g. in siluer: So that whosoever shall take for a certaine Rent a lesse Summe than this Table directeth, shall lose by the Bargaine, for such a Summe will not yeeld unto him so much Increase, as his Rent, being put forth for one and the same Terme.

Howbeit, I confess, many men haue beeene through ignorance induced, or by neccesarie inforced, to sell their Leases, Rents, and Annuities at under-values; whereupon the Purchasers, and others by their examples instructed, haue presumed to assume or challenge a custome of continuall purchasing at the like Rates, and doe make no difference in respect of the new Statute at 8. per Cent. whereby the Interest of moneyes being faine, it necessarily followes, that the value of Rents must be raised, because the Increase of a Rent being lesse per ann. than it was, wll not now rise to so great a Summe at the end of any Terme, as it did, and consequently doth require such a Summe to be given for the same, as will be equall therewith in the like Terme: As for example, the Increase of 10. lt. per ann. for 7. years at 8. per Cent. is 89. lt. 4. s. 6. d. 2. q. and the Increase of 52. lt. 1. s. 3. d. q. at the like Rate, is the same; whereby plainly appears, that 52. lt. 1. s. 3. d. q. is the iust worth of 10. lt. per ann. for 7. years.

To conclude, by this Table, knowing thefull worth of a Rent, whether Buyer or Seller, you may deale thereby to your best aduantage, offering or accepting what you thinke fit, and being certainly aduertised what you gaine or lose. And so, lest some say, I lose time in making a long Harvest of a little Corne, I thinke it fit and time to cease, well assured, that the Obiction is sufficiently answered, and subiected

By Me that studie euer to be

commodious to my Countrey,

John Penkethman.

The Remedies or Allowances upon all sorts of light
or baser Coines, directing how to pay or receive
the same.

Remedies allowed.	Values of Coines.	Graines wanting.	These Coines wanting no more than the Remedies set before them, shall passe, as if they were full of weight and value. And if they want of their full weight, not aboue the numbers of the graines respectively set after them, they are also currant with 2. d. a graine for euery graine exceeding the Remedy, otherwise they passe not at all.
4. Graines $\frac{1}{2}$.	xxxij. s.	9	
3. Graines $\frac{1}{2}$.	xxij. s.	6	
2. Graines $\frac{1}{2}$.	xvj. s. vij. d.	3	
2. Graines $\frac{1}{2}$.	xij. s.	4	
1. Graine.	v. s. vi. d.	2	
Halfe a gr.	ij. s. ix. d.	1	
4. Graines $\frac{1}{2}$.	xxx. s.		These Coines wanting no more than the Remedies set before them, shall likewise passe, as if they were of full weight and value, otherwise they passe not at all, as may appeare by Proclamation 25. May 3. Car. By which Proclamation it is also lawfull for Those, to whom any such vncurrent Coine is offered, to brand the same by striking a hole therein, yet then restoring it to the Owner. Note,
1 That the K. Henrie Souercigne of xij. s. being base gold, must weigh 8. graines aboue the xij. s. weight, and his base Crowne of v. s. 4. d. four graines aboue the v. s. vi. d. weight, or else they are not currant.			
2 That five Thistle Crownes (though severally they passe but for 4. s. 4. d. 3. q. a pece) are currant together for 21. s. which is a q. more than their values being all summ'd together doe afford.			
3 That the Counterpoyses or Weights commonly vsed for the Coines of K. James and K. Charles, may also serue for those of Q. Eliz. and others of like value.			
4 That the Penny-weight is not a penny-weight of silver, but of Goldsmiths weight, being 24. barley graines or cornes taken from the middest of the Eare, of which penny-weights, 20. make an ounce, and 12. of those ounces make a pound Troy.			
2 Halues $\frac{1}{2}$ of a siluer Thistle 6. d. a pece, 2. 6. d. 3. q. are currant			
4 Quarters $\frac{1}{4}$ which doe seue $\frac{3}{2}$ 3. 1. together			
6 Sixth parts $\frac{1}{6}$ rally passe but for 2. Cyet worth 2. 1. for 13. 0. 0d.			

The Description and Vse of the Table next en-
suing.

The Table consisting of three Colunnes, and diuided (in respect of the length) in two equall parts, the first Colunme (in each part) towards your leit hand, sheweth the number of yeares, for which the Rent is to be bought or sold; the Second, how many yeares purchase the Rent is worth; and the Third, what parts of a yeares purchase (besides the whole) it is worth; according to their severall Titles: For example; If you would know the worth of a Rent for 10. yeares, seeke the number 10. vnder this title or word (Yeares) and directly against the same you shall see 6, halfe 5, 24, 192, which doe signifie, that a Rent for 10. yeares is worth six yeares purchase (that is, 6. times the Rent) an halfe, a $\frac{5}{6}$, $\frac{24}{5}$, and a $\frac{192}{5}$ part of a yeares Rent: And so for any other number of yeares in present possession.

Next, for the worth of a Rent or Lease in Reuersion; Suppose you haue a Lease of Land worth 10. lt. per ann. cleere aboue the old Rent payable to the Land-lord for 20. yeares to come, and you would buy a Lease thereof in Reuersion at the same Rent for 31. yeares: In this case; first, you must ioyne the 20 and 31 yeares together, making 51; and finde what a Lease is worth for 51 yeares, as if the same were to begin presently: Then having set downe that Summe, finde what your Lease for 20. yeares is worth, and setting that vnder the other, substract the Lesser from the Greater, and the Remaine is the value of the Lease in Reuersion.

If you cannot readily diuide, you may by the helpe of the Table, shewing the even parts of 1. lt. easily gather any part of the Rent; For further demonstration whereof, suppose it be 10. lt. per ann. for 10. yeares, whereupon reuiewing the former numbers, for 6, set downe 6c. It for halfe, 5. lt. for 5. 2. lt. for 24. (seeing 10. d. is the 24. part of 1. lt.) take 10. d. 10. times, which makes 8. s. 4. d. and for 192. (seeing 1. d. q. is the 192. part of 1. lt. take 1. d. q. 10. times, which makes xij. d. ob. All which summes added together, come to 67. lt. 9. s. 4. d. 2. q. the value of the Rent. And thus may you finde the value of any Rent for any Term.

Moreover, by this Table you may know what Fine is to be paid in respect of Rent to bee abated, how to sell or buy out an Extent: And divers other Questions of Bargaines, which are needless to bee here expressed.

The Purchasers Pinnace, or, The Bargainees Brigantine.

Yeares purchase and parts.	Yeares purchase and parts.
i 0 halfe, 3, 12, 120.	xxxij 11 3, 64.
ii 1 halfe, 4, 32, 960.	xxxvij 11 3, 10, 960.
iii 2 halfe, 15, 96.	xxxvij 11 halfe, 80, 960.
iv 3 4, 20, 96, 960.	xxxvij 11 halfe, 12, 160.
v 3 halfe, 3, 8, 30, 960.	xxxv 11 halfe, 8, 40, 240.
vi 4 halfe, 10, 48, 960.	xxxvj 11 halfe, 5, 60.
vii 5 5, 160.	xxxvij 11 halfe, 4, 48, 320.
viii 5 halfe, 5, 24, 240.	xxxvij 11 halfe, 4, 15, 96, 960.
ix 6 5, 24, 240.	xxxix 11 halfe, 3, 24, 320.
x 6 halfe, 5, 120, 960.	xj 11 halfe, 3, 12, 160, 960.
xi 7 8, 80, 960.	xlj 11 halfe, 3, 8, 120.
xli 7 halfe, 30, 480.	xlij 12 160, 960.
xlii 7 halfe, 3, 15, 320.	xlij 12 24, 480.
xliii 8 5, 34, 480.	xliij 12 15, 96.
xv 8 halfe, 20, 120, 960.	xlv 12 10, 120, 960.
xvij 8 halfe, 3, 60, 960.	xlvj 12 8, 80, 960.
xvij 9 10, 48.	xlvj 12 8, 30, 160.
xvij 9 3, 30, 192.	xlvij 12 6, 48, 320.
xix 9 halfe, 10, 320.	xlix 12 5, 80, 960.
xx 9 halfe, 4, 15, 960.	L 12 5, 30, 960.
xxj 10 60.	lj 12 4.
xxij 10 5.	lij 12 4, 60, 960.
xxiij 10 3, 30, 240.	lij 12 4, 30, 480.
xxiiij 10 halfe, 40, 320.	lij 12 4, 20, 560.
xxv 10 halfe, 6, 160, 960.	lv 12 4, 16, 320.
xxvij 10 halfe, 4, 20, 120, 960.	lvj 12 4, 15, 80.
xxvij 10 halfe, 3, 10, 960.	lvij 12 3, 120.
xxvij 11 20.	lvij 12 3, 60, 320.
xxix 11 8, 32, 960.	lix 12 3, 40, 192.
xxx 11 4, 160, 960.	lx 12 3, 30, 160.

A Table shewing
the even parts
of 1. lt.

A plaine Direction for the easie compu-
ting, or casting vp of Interest at 7. lt.
10. s. 7. lt. 6. 13. s. 4. d. and 6. lt. per Cent.

First compute or cast vp the Interest of your Summe
or Accompt at 10. per Cent.

Then from that Interest subtract

$\frac{1}{4}$ of $\frac{1}{10}$ and the Remaine $\frac{7. lt. 10. s.}{7. lt.}$ per Cent.
 $\frac{1}{4}$ of $\frac{1}{7. lt.}$ is the Interest at $\frac{6. 13. 4.}{6.}$ per Cent.

As for example; The Interest of 100. lt. for a moneth
at 10. per Cent. being 10. s. 8. d.

1 Subtract $\frac{1}{4}$ which is 4. s. 2. d. and three remai-
neth 12. s. 6. the Interest at 7. lt. 10. s.

2 Subtract $\frac{1}{4}$ being 4. s. 2. d. and $\frac{1}{10}$ being 1. s.
(for $\frac{1}{10}$ of 10. s. is 1. d. and of 8. s. is 3. d. and of 1. s.
8. d. is 1. d.) which make 5. s. and there resteth 11. s.
8. d. the Interest at 7. lt. per Cent.

3 Subtract $\frac{1}{4}$ being 4. s. 2. d. and $\frac{1}{10}$ being 1. s. 4. d.
2. q. 50. parts of a q. in 75. diuided (for the twelfth part
of 12. s. is 1. s. and of 4. s. 6. d. is 4. d. 2. q. and of 2. d.
is 50. parts of a q. in 75. diuided) which make 5. s. 6. d.
2. q. 50. parts of a q. in 75. diuided, and there remaineth
11. s. 1. d. q. 25. parts of a q. in 75. diuided, the In-
terest at 6. 13. 4. per Cent.

4 Subtract $\frac{1}{4}$ being 6. s. 8. d. (for $\frac{1}{10}$ of 15. s. is 3. s.
and of 1. s. 8. d. is 4. d. so that $\frac{1}{4}$ is 6. s. 8. d.) and there
remaineth 10. s. the Interest at 6. lt. per Cent.

And thus you may compute any Accompt or Summe for any time from a yeare to
a day.

Note that it is more beneficiall to buy a Leafe for yeares, according to this Table, then Land in Fee Simple; for example; If an house worth 10. lt. per ann. de claro
in Fee, be sold (as the common course is) for 140. lt. the Interest of which 140. lt. being 11. lt. 4. s. The Purchaser receiving but
10. lt. yearly, loseth of his Interest 1. lt. 4. s. per ann. But 10. lt. per ann. for 21. yeares he may buy for 10. yeares purchase, which is but 100. lt. of which 100. lt.
the yeares Interest being 8. lt. it is plaine, that the Purchaser receiving 10. lt. yearly, hath 2. lt. per ann. above his Interest, which 2. lt. per ann. keep gainerth, and
which in 21. yeares will bring in his 100. lt. disbursed.

A

A plaine Direction for the rebating of Interest for moneyes received before the due time, after 8. per Cent.

CONSIDERING it is a common course and custome among Merchants and other Trades-men to giue time vnto the Buyers of their wares, as also amongst Gentlemen and other Degrees, vnto the Buyers of their Lands, Rents, or Leases, for payment of their moneyes or some part thereof; Whereupon it often happens, that the Debtor hauing money come to his hands, is willing either for his owne benefit, or for supply of his Creditors wants vpon request to pay in his Debt with Abatement of Interest for the same, in respect the day is not come, which was prefixed for payment thereof; In which case, many men doe erroneously concieue, that the Debtor is to be allowed the full Interest of the money to the day prefixed for payment thereof, as aforesaid, as 4. It. of 100. It. paying the same 100. It. six moneths before the due time; Whereas they are much deceiued, for then the Debtor may put that 4. It. forth to vse for the six moneths to come, which yeelds 3. S. 2. D. q. 45. parts of a q. in 75. diuided, and so much he gaineth, where, on the contrarie, if the Creditor doe receive but 96. It. and put the same forth at Interest for those six moneths, it will yeeld, but 3. It. 16. S. 9 D. 2. q. 30. parts of a q. in 75. diuided, which wanteth 3. S. 2. D. q. 45. parts of a q. in 75. diuided, to make vp 100. It. I haue therefore thought fit to publish this Direction following, which whosoever doth diligently obserue, can never err; there being no true Table extant, shewing what Interest in such cases is to be rebated.

First, the direct Interest of your Debt being knowne, cast vp and set downe the Interest of that Interest; and then likewise cast vp and set downe vnder that second Interest the Interest thereof, which being substracted, adde the Remaine to the Principall remaining, and the Totall is the Summe due to the Creditor. As for example.

If you would pay me 100. It. six moneths before the due time, 4. It. being the Interest for six moneths, set downe the Interest of 4. It. for six moneths, which is 3. S. 2. D. q. 45. parts of a q. in 75. diuided, and from that second Interest substract the Interest thereof, being 1. D. 2. q. 9. parts of a q. in 75. diuided (omitting the Interest of 45. as not materiall) and then resteth 3. S. 0. D. 3. q. 36. parts of a q. in 75. diuided, which must be allowed to me out of the 4. It. so that I must haue 96. It. 3. S. 0. 3. q. 36. parts of a q. in 75. diuided, which at six moneths end will bee 99. It. 19. S. 11. D. 3. q. 37. the Interest of 36. a Fraction not materiall, being omitted.

But here, Some will say, and are of opinion, that the same course of rebating Interest is to be obserued vpon receipt of halfe a yeres Interest at the end of six moneths; As if 100. It. be lent for six moneths, 4. It. must not be received for the same, but Interest must be therout rebated, because the Creditor otherwise might put that 4. It. to vse, with his 100. It. for six moneths after, and then he would haue in the space of a yere 8. It. 3. S. 2. D. q. for the vse of 100. It. for a whole yere, which is Extortion against the Statute.

To which I negatively answer, and to confute this Opinion, put the case thus; 100. It. being lent for 12. moneths, if 4. It. be reserved to be paid at the end of the first six moneths, and 4. It. with the Principall at the yeres end, in this case the Creditor offendeth the Statute; but if 4. It. Interest be payable with the Principall at the end of six moneths only; here the case is otherwise, and the Creditor is in no danger at all, for he receiueth, but after the rate of 8. It. per Cent. and so he may doe for three moneths, or one moneth (as the common course is) or for a weeke, without the least offence to the Statute.

The

The Authors Admonition touching his new Tables of Simple Interest, with diuers needfull Instructions for Purchases and Accompts.

HEREAS there are published in print diuers Tables of Simple and Compound Interest, vnder the abusive Titles, first of *The Money-Monger*, or *The Vsurers Almanacke*; and after, of *The Treasurers Almanacke*, or *The Money-Master*; being vsually annexed to the annuall Almanacke. I John Penkethman publike Writer, sole & originall Author thereof, (from whom the same were vsuued by Malice and Auarice) doe by these resents signifie, and for Truth declare vnto all Those whom it may concerne, That the said Tables are verie false printed, and likewise all others, printed on both sides of the sheet, in forme of a Booke, are most erroneously computed, as I haue found in examining them; and consequently dangerous and vnsit for any mans vse; which I am ready (as one that hath good cause) to proue, not out of spleent, but merely for the generall good, and for the satisfaction of all men, that doe or may conceiue them to be by mee so false published or computed; and also for the vindicating, clearing, and curing of mine owne Credit, by scandalous aspersions or misprisions, wounded or brought in question.

Whereupon considering, how great damage may thereby accrue to Those that doe or shall make vse thereof, and withall how vnteadie for the making of Accompts those Tables are, being in forme of a Booke, which was never by me contriued or intended, nor their said Titles by me intituled; my Forme being Table-wise on the one side of the sheet, but to laue paper, peruerter by the usurping Ignorants to a generall iniurie. And likewise weighing the Losses and Inconueniences daily arising for want of the Fractions, which are much desired, as being most vsefull, especially in casting Interest vpon Interest. And withall, duly recording the gratefull acceptance of my labours (the former Impressions not sufficing to furnish all Commers) I have beeene incited, and (as I may rightly say) impelled with more diligent studie and extraordinarie paines to make a new Edition, not only of my Table readily shewing the worth of a yearely Rent (with an Addition of 29. yeares, making in all 60.) but also of my Tables of Simple Interest, now intituled *Penkethman his President*, or *The new Art of Accompt*, with an Addition of the Interest of Shillings and Pence to a Farthing. And where my former Tables shew the Interest but for 1, 2, 6, 3, and one moneth, a weeke, and a day only; In these I haue set downe the Interest for 1, 2, 6, 5, 4, 3, 2, 1 moneth, 4, 3, 2, 1 weeke, 4, 3, 2, 1 day; fourt weekes being not a full moneth, as I haue more amply declared (amongst other things worth your knowledge) in the Demonstration of the vse of these Tables: which neuerthelesse are so concisely and curiously contriued in one side of the Sheet, that the same may be made vp like, or with an Almanacke, and displayed in manner of a Map, when occasion shall require, whereby a larger Accompt may be accomplished in one hour, than by the Booke in three; the Fractions being set and ranged in a new, easie, and more computable order than is taught by the old and common Rules of Arithmetick. Besides thereby the valuation of Rents expressed in my said Table, shewing the value of Rents may be certainly proued, and other Questions betweene Buyer and Seller, Creditor and Debtor, Land-lord and Tenant, or Master and Servant resolved, as by particular Questions and Examples here following may appear.

I. Quest.

1. Ques. A Summe of money being due at a certaine day is not then payd, but after, at severall dayes by divers vnequall payments; Now the Creditor requiring Simple Interest for the debt from payment to payment: I demand how the same is to be computed?

Answe. Obserue the Forme or Example next ensuing.

It.	2. Aug. 1627.	It.	S. D. q.
Due-40.	Interest to 29. Octob. 1627--0--15--2--2		
Paid--10.			
Rest-30.	Interest to 16. Aug. 1628--1--18--1--0		
Paid--8.			
Rest-22.	Interest to 22. Jan. 1628--0--15--4--0		
Paid--5.			
Rest-17.	Interest to 25. Febr. 1628--0--2--3--0		
Paid--2.			
Rest-15.	Interest to 9. May, 1629--0--4--11--0		
Paid--5.			
Rest-10.	Interest to 17. May, 1629--0--0--3--2		
Paid--5.			
Rest-5.	Interest to 22. July, 1629--0--1--5--0		
Paid--5.			
Rest-0.	Then summe vp the Interest thus,	3--17--6--0	

By this Accompt appears, that on the 22. of July, 1624. the 40. It. principall debt being paid, there is due for Interest 3. It. 17. S. 6. D.

more, and so proceeding, you shall finde that 100. It. will be paid with Interest vpon Interest, by 20. It. per ann. in six yeares except 12. It. 18. S. 6. D. q. which is to be paid at the end of the seventh yeare. But if the 20. It. per ann. be paid halfe yearly by 10. It. euerie halfe yeare, then you are to accompt the Interest of the Principall and the Remaine halfe yearly from payment to payment, subtracting euerie halfe yeare 10. It. vntill the 100. It. be fully paid. In like manner, if the 20. It. per ann. be paid quarterly by 5. It. a quarter, then are you to accompt the Interest quarterly from payment to payment, subtracting euerie quarter 5. It. vntill the 100. It. be fully paid. By which severall manners of Accompt, you shall finde the 100. It. will bee sooner paid by the halfe yearly, then by the yearly payments, and by the quarterly, then by the halfe yearly payments.

But if the Creditor will haue Interest vpon Interest, Then he must set downe the Interest in other paper, and so compute the Interest thereof: As of the first Interest being 15. S. 2. D. 2. q. from the 29. of October, 1627. to the 29. of October, 1628. and adding both together, compute the Interest of the Totall to the 22. of July, 1629. when the last payment of the principall debt was made; And so of the next, vntill the end.

But here, Some will obiect, that the readier way to cast vp Interest vpon Interest, is to set downe the Principall, and adding thereto the first Interest, to subtract from the Totalle the Summe paid, and then adding to the Remaine the Interest thereof, from the first payment vnto the second, subtract the Summe secondly payd, and so to proceed vnto the end, as in the Answer of the second Question.

To which I answe. ; If the payments were made on a certaine day yearly, it were the readier way and lawfull. But in such case as this, if the Creditor doe take Interest vpon Interest in that manner, he exacteth aboue the rate of the Statute, in receiving Interest before the yeares end; where the Debtor alloweth vpon euerie payment part thereof for Interest, which being put forth, will at the yeares end bring Interest to the Creditor, and so he gaineth aboue 8. per Cent. Neuerthelesse, vpon a forfeited bond, I grant the Creditor may take what Interest he will in part of the Foifeiture or Penaltie, which is due to him by Law.

2. Ques. It. is to be paid by 30. It. per ann. with Interest vpon Interest; Now I would know how long it will be before all is paid?

Answe. Set downe 100. It. and vnder the same, the Interest thereof, being 8. It. which adding together, subtract 20. It. and there resteth 88. It. vnder which set the Interest thereof, being 7. It. 00. S. 9. D. 2. q. 30. parts of a q. in 75. diuided, and adding both together subtract 20. It.

3. Ques.

3. Queſt. I haue an Annuicie of 20. li. per ann. for 7. yeares, for which I am offered 4. yeares purchase, that is, 80. li. Now I would know whether and what I ſhould gaine or lose by accepting thereof?

Answe. By the Table intituled, *The Purchafers Pinnace*; you may know whether and what you gaine or lose, finding there the value of your Annuicie. Or otherwise you may eafte vp the Increase of 80. li. ſubſtrating yearlye 20. li. as in the former Question of 100. li. and ſo you may be ſatisfied, finding that the 80. li. with Interest vpon Interest is paid by 5. yeareſ Rent, except 4. li. 5. d. 3. q. whereby it appeares, if you ſell your Annuicie for 80. li. you lose 20. li. per ann. for the laſt 2. yeareſ of the 7. which is worth in ready money 24. li. and better. So I conclude your Annuicie of 20. li. for 7. yeareſ is worth 104. li. and better (as you may ſee by the ſaid Table) which is aboue 5. yeareſ purchase.

4. Queſt. What muſt my Tenant pay for 3. weekeſ, 3. dayes, after the rate of 6. li. per annum.

Answe. First, in the Index or Table at 10. per cent. vnder the Title *(A Yeare)* finde 6. li. and then, directly againſt it, vnder the Title 3. weekeſ is, 6. li. 10. d. 2. q. 56. 64.

And vnder the Title 3. dayes is, 0. 11. 3. 18. 192.

Which added together doe make 7. 10. 2. 00. 00. And ſo much is due.

In like manner you may finde what wages is due to your Servant for a broken Quarter, and how to diuide a ſumme into parts to be paid weekly within the compaſſe of a yeare.

Befides other needfull Vies may be made of theſe Tables of Simple Interest, which I want roome here to exprefſe. Being alwayes readie to reſolute any Question concerning Purchase or Accompt, and to illustrate whatſoever herein and in my ſaid Tables of Interest vnto weaker capacities may ſeeme obſcure.

Finally, ouer and aboue the premitiſes and my ſcriueneriſhip, which I haue practiſed theſe 20. yeareſ paſt and vpwards, I doe profeffe to tranſlate any Latine, Legall or Scholaſticall, hauiing ſome workeſ of mine owne printed and to be ſold at my Shop only in Chancery Lane, whereby my facultie therein may appeare.

The Compoſitor for the Preſe having diſeined the expeſtation of me the Compoſer, in leaſing thiſ vacant roome, whiſh my writing diſfully ſupply: I thought fit to add one other Adverтиſement concerning Purchase. Viz.

Suppoſe you would buy or ſell a Houſe or Land holden in Fee Simple, whereupon there is a Lease letten, whereby the Purchaſer ſhall loſe the Rent, or part thereof vntill that Lease be expired. In thiſ caſe, you muſt firſt reckon the value of the Houſe or Land (as if the ſame were out of Lease, either at 14, 16, or 20 yeareſ purchase more or leſſe, according to the Tenure, Situation, Probable Improuement, Qualtie, Commodities or Discommo-dities thereof. And ſecondly, finde by *The Purchafers Pinnace*, the worth of the Lease on foot: Then ſubſtrating the Lesser from the Greater, the ſumme remaining is to be paid for the Purchase.

F I N I S.

A Plaine Demonstration of the vse of this Map.

The particular Titles over the Heads of the Columnnes or Divisions descending, doe sufficiently declare the Contents thereof. The Benefit being expressed in the Title, 2. The Denominators or Numbers 75. and 19200. doe signifie parts of a q. in so many diuided, and the figure 5. next after 19200. in the Index at Eight per cent. doth signifie parts of 1. part of 19200. All which you may neglect or omit (if you will) or if you desire to take or knowe the uttermost Interest, you may easily adde the same together. Considering withall, that so often as you finde (in so adding) Five Fift parts, you must for the same, adde 1. to the parts of a q. in 19200. diuided; and for 25. parts of a q. in 19200. diuided, you must adde 1. to the parts of a q. in 75. diuided, and for 75 parts of a q. in 75. diuided, you must likewise add a q. more to your Interest, besides the whole Farthings there specified. As for Example;

	g. D. q. 75. 19200. 5.
1000. li.	1 4 4 2 0 0
500.	2 2 1
30.	0 1 2
day at Eight per Cent. of	22 118
10. 5.	47 64
8. D.	7 224
3. q.	0 134 2
	0 12 3
	6. 8. 1. 76. 563. 0

The which being summed together, the Totall is (as thereunder appeareth) 6 g. 8 D. 1 q. 76. 563. Now in 563. parts of a q. in 19200. diuided, you shall finde 256. Twice, making 512. for which you must adde 2. to 76. the parts of a q. in 75. diuided, and then 76. will be 78. there resting 51. parts of a q. in 19200. diuided; Next, in 78. parts of a q. in 75. diuided, you shall finde 75. once, for which you must adde a q. to your Interest, there resting 3. parts of a q. in 75. diuided. And so your Totall Summe is become 6. 8. 2. 3. 51. Yet for your more ease and readie helpe in this new kind of Addition and Subtraction I haue devised the two Tables next ensuing.

19200	75	75	q.
256	1	75	1
512	2	150	2
768	3	225	3
1024	4	300	1 D.
1280	5	600	2 D.
1536	6	900	3 D.
1792	7	1200	4 D.
2048	8	1500	5 D.
2304	9	1800	6 D.
2560	10	2600	1 S.

By the helpe of which
Tables you may exa-
mine (if you will di-
trust) n. whole
worke of Interest.

Morcer, you may easly
reduce the greater Fra-
ctions or Denominato-
rs into less by the helpe of
this Table following.

75. 150. 300. 600. 1200. 2400. 4800. 9600. 19200
1 2 4 8 16 32 64 128 256
1 2 4 8 16 32 64 128
1 2 4 8 16 32 64
1 2 4 8 16 32
1 2 4 8 16
1 2 4 8
1 2 4
1 2
1

And touching my Computation of the Interest for od weekes and dayes, I thought fit to aduertise you, that the same is derived or diuided from the Interest for the whole yeere, the Interest for a day being the Three hundred sixtie and fift part of the Interest for a yeere, which (according to our Lawyers a. o. m.) continueth 365. dayes, the 6. hours ouerplus, that in fourte yeeres make a naturall day, which causeth leapeyeere, being not regardid. And if you diuide 80 li. the Interest of 1000 li. for ayeere into 365. parts, you shall finde the Interest for a day, being one of those parts, is 4 g. 4 D. 2 q. and a small Fraction, not a q. more, and so of all the rest. So that whosoever shal (as Some doe) derive the Interest for a day, from the Interest for a moneth, accompong but 30. dayes to a moneth, he falls into a verie grosse and absurd Errour, and consequently brings all Those that pursue his directions in apparent danger of the Statute, taking above the Rate thereby tolerated; For by such Accomp, the Interest of 1000 li. for a day commeth to 4 g. 5 D. 1 q. and 24. parts of a q. in 75. diuided, or 8. parts of a q. in 25. diuided, which is all one, and this Interest amounts in 365. dayes to

31 li. 2 g. 3 D. 15. parts of a q. in 75. diuided, being 1 li. 2 g. 3 D. 15. parts of a q. in 75. diuided, Exaction against the Statute. Where 4 g. 4 D. 2 q. multiplied 365. times, cometh to 79 li. 19 g. 2 D. wanting 10 D. of 80 li. whib in respect the 365th. part thereof cannot be well expressed in so little Roome, and is also not worth repining, I purposely omit.

Yet to make such Exaction more evident, or rather to maintaine the truthe of mine owne Computation; if the Lender doe take Interest for a moneth, which is the twelfth part of a yeere, the Borrower must haue the use of his mony the twelfth part of a yeere; but 30. dayes is not the twelfth part of a yeere (12. times 30. making but 360.) Ergo the Borrower paying the twelfth part of a yeeres Interest for 30. dayes, or the thirtieth part of a moneths Interest for a day, payeth Extortion.

And hereby it is manifest, if money bee lent for a moneth onely, the Moneys-Master or his Agent, must allow 31. dayes to that moneth, besides the day of Loane, which is not included; For from the first of Februarie (which hath but 28. dayes, except in Leapeyeere, and then but 29.) to the first of March, is not the twelfth part of a yeere, as many men erroneously accompt. Yet from the first of March (which hath constantly 31. dayes) to the first of April is the twelfth part of a yeere and better.

Neuerthelesse, some men doe reckon upon Interest but 28. dayes to euerie moneth, and diuiding the moneths Interest into fourte parts, take one of those parts for the weekes Interest, wherein they are much deceived, or rather deceiue the Debtor, to the endangering of themselves. Howbeit, if any man will take the weekes Interest in that manner, let him allow eight dayes to the weeke, and then he may safely take it, but with some littell losse. Only I premit him to take heed of abating the Interest for dayes and weekes out of the moneths Interest; lest he abate too little, in respect of the Fraction omitted as aforesaid. And therefore if he accompt Interest for moneths and od dayes or weekes, let him set downe first the Interest for the moneths, and next, for the weekes and dayes. And though he doe not finde in this Map, the Interest for six or five dayes in one entrie Summe, yet he may double the Interest for three dayes which make six, and adde the Interest for two and three dayes together, which make five.

Lastly, considering the Interest at 10. is more by a fift part then that at 8. p.r Cent; By amputation or abatement of whib fift part, the Interest at 8. ariseth, and the Interest at 8. being diuided in foure equall parts, by adding one of those parts to the whote, the Interest at 10. ariseth, I haue proportioned the Interest at 10. accordingly, by such Addition, as you may note in the Interest of 1000 li. for a day, where 1 g. 1 D. 0 q. 37 parts of a q. in 75. diuided, and 128. parts of a q. in 19200. diuided, whib is a fourth part of 4 g. 4 D. 2 q. the Interest at 8. per Cent. being added to 4 g. 4 D. 2 q. makeketh the same 3 g. 5 D. 2 q. 37. parts of a q. in 75. diuided, and 128. parts of a q. in 19200. diuided, the Interest of 1000 li. for a day, at 10. per Cent. and so of all the rest.

And this, I conceive, may copiously suffice both for the Demonstration and Vse of this new invented Instrument or Map, which I wish, may not be a Shad (I meane a Shelter) to others being meere Shadowes in respect of This, but rather a Suf, as will to discouer their dangerous Enemities, and cause men to shun or subuent them like deuouring Monsters, as to guide Accompants in the right way, from which I heartily w sh, that none may stray, and so conclude.

To his deserte Friend the Author.

Thy new Art of Accomp (in my account)
Of President may iustly beare the name,
For that it doth precede and far surmount
All others of such kinde; that are but lame,
Short and vnperfect in respect of This,
Wherent a Summe or Number stands amisse.
Making all other Scriueners bound to Thee,
Whose Artfull Act requires an Annuall Fee.

Yea, like a President, the same directs,
Gouernes and guides Accompants in their wayes,
(Being before them) to desir'd effects
Their Computations working; while the praise,
With Loues Account will vnto Thee redound,
That this new Art for Them didst finde and found,

Williambrofe Scudamore, Gent.

Penkethman his President,

O R,

The New Art of Accompt;

Deciphered in

The Money-Masters Map,

Which containeth

A Two-fold Index of Interest-money,

Eight
At } and } in the Hundred.
Tenne }

For any Summe, from a Thousand pound to a Farthing,
and

For any Time, from a Yeere to a Day.

 Eing most necessarie, not onely for the casting vp or setting downe of Interest vpon old or new Contracts, but for the deciding of differences that may arise in Accompts of this Nature, euen to the Nineteene thousand and two hundred part of a Farthing. As also much more copious, plaine, exact and readie for vse than any other, the rather for that the forme therof allowes it to be made vp in a Booke, and displayed like a Map, when occasion shall require. The Fractions being raunged in a new-devised and more computable Order.

The same being also diligently reuised, examined, and approued, both before, at, and since the Printing, not onely by the Author himselfe, but by foure worthy Teachers of Arithmeticke, with whose Praises it is enuironed against Malice and Suspition; So that all men may infallibly trust to the Truth and Perfectnesse thereof.

And these you may haue at the Authors Shop or Studie, situate in the Front of the Mansion-house of the Right Worshipfull Sr. Robert Rich Knight, one of the Masters of the Court of Chancerie in Chancerie-Lane London, where the said Author constantly attendeth, not onely for sale thereof (which are not to be had elsewhere) and other his Workes, (besides his practice and profession of Scriuenerie) but also to compute and perfect Accompts vpon Interest or otherwise, and to rate or value Rents, Annuities, or Leases, and to resolute other questions of Purchase or Accompt; and finally, to translate Bookes or Manuscripts in Latine, Legall or Scholaſticall.

*Non usura Vſus, Lex uero damnat abuſus;
Iſtu multatio, hi tolerant uopus.*

John Penkethman publicke Writer.

London, Printed by John Haviland, 1629.

Amici candidi Encouision.

Thy President (my true-industrious Friend)
Prou'd and approu'd by me, againe receiue,
And publish it, thy Cunning to command
With happy Fame, which Time shall not bereave,
But more improue, while Some, their Studies bend
To be thy Apes, or take what thou do'st leaue,
Lowd Fame allow'd proclaiming; Know all men,
Like This, no Scriuener euer vs'd the Pen.

Pen also, as it signifies a Head
I'li Cornish Idiome, and with vs, a Quill,
Thy natuue Name, so far, so fairely spred,
Most properly beginnes, which nothing ill
With Man concludes, for of Those gently bred
I'ch' Notaries Art, with merit thou dost fill
The Highest place in this, and art well knowne
A Pen-man and a Clerke reprou'd by None.

These, though till now I never made a Verse,
Thy worthy Praies friendly to reherse,
I rudely penn'd, that men thereon may looke,
Not for my Grace, but thine, before thy Booke.

Edw. Browne, Gent.

This Index, Threefold might be truly stil'd;
The First and Second telling Moneys vſe;
A Third, his Wit and Art that it compil'd,
A President so needfull to produce;
Inducing new Addition and Subtraction,
That warnes, in Interest, how to shun Exaction.

Peter Cob, Teacher of exact writing and
Arithmetick in Milke-street London.

Inuentoris grata Reffensio ac Dedicatio.

Sr, your kinde proofe, approuement and advise
Haue caus'd me (as the Presse doth well expresse)
This Proofe to publish, which though small in price,
Your Goodnesse will, I trust, not prize the lesse,
Nor to afford it Patronage be nice,
On which, respetiuze zeale doth make me presse,
(Not for a Guerdon, which poore End I hate,
Though by Oppression plac'd at Ruines Gate.)

Proud of a Patron in Two eminent Arts,
Prouing so perfect, that makes Children, Men,
By grafting into them his worthy parts,
Accompts to Audit, and command the Pen,
Which heapes on you the loue of nobleſt hearts;
While mine to your good wishes cries, Amen.

And as the Natuue colour is your Name,
Not Art alone, but Nature giues you Fame.

Thus your designe I duely haue obſeru'd,
Nor in your Praise from Truth one Tittle ſweru'd,
And ſith ſo well the Pen you master can,
On your command ſhall wait

J. Penkethman.

This Map (though fram'd by no Geometrician)
Nor ſhewing what he pencils or ſuruayes,
The worke is of a rare Arithmetician,
And what buyes Lands and Lordships well displayes,
Whereon the Creditor his trust may ground,
Being throughout ſurvey'd and perfect found.

By me James Burgis, Teacher of Arithmetick and
Geometricie on Whittington Colledge Hill London.

Memo: "Auditors, Thank the New Secretary at Eight per Cent."

The Index of Interest money

Semester	A.Year.	6. Mon.	5. Mon.	4. Mon.	3. Mon.	2. Mon.	1. Mon.	4. Weeks.			3. Weeks.				
								U.	S.	D.	U.	S.	D.		
SP 80	40	33. 6. 8	26. 13. 4	20	13. 6. 8	6. 13. 4	6. 2. 6	11. 10. 2	4.	2. 8. 1	11. 10. 2	8. 3. 0	67. 128		
SP 72	36	30.	24.	18	12.	6.	5. 10. 3	2.	9. 2. 30	7. 4. 0.	60	8. 3.	74. 0.		
SP 64	33	26. 13. 4	21. 6. 8	16	10. 13. 4	5. 6. 8	2. 4. 18	6. 3. 45	6. 5. 0.	52. 128	3.	13. 6	6. 5. 0.		
SP 56	28	23. 6. 8	18. 13. 4	14	9. 6. 8	4. 13. 4	3. 4. 13	5. 9	5. 6. 0.	45	3.	4. 3. 3	3.		
SP 48	24	20.	16.	12	8.	4.	3. 13	13. 6	4.	7. 0.	37. 128	2.	15. 1. 2		
SP 40	22	16. 13. 4	13. 6. 8	10	6. 13. 4	3. 6. 8	1. 3	2.	5. 11. 1	1.	16. 9	1.	16. 9		
SP 32	16	13. 6. 8	10. 13. 4	8	5. 6. 8	2. 13. 4	1. 2	9	1.	7. 6. 3	1.	7. 6. 3	1.		
SP 24	12	10.	8.	6	4.	2.	1. 16	16. 9	1.	4. 6	18. 4.	2	18. 4.		
SP 16	8	6.	13. 4	5.	6. 8	4.	1. 6. 8	1.	1. 3	11. 0.	15	1.	11. 0.		
SP 8	4	3.	6. 8	2.	13. 4	1.	1. 6. 8	13. 4	1.	12. 3	9. 2.	1.	9. 2.		
Q1															
U.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	
PG 7. 4	3.	12	3.	2. 13. 4	1.	12	1. 4	12.	1.	11. 0.	1. 15	1.	8. 3.	0.	
PG 6. 5	3.	4	2. 13. 4	2. 2.	8	1.	1. 4	10.	8	2.	9. 2. 30	1.	7. 4.	0.	
LR 5. 12	2.	16	2.	6.	8	1.	17. 4	1.	8	2.	8. 6. 35	1.	6. 5.	0.	
LR 4. 16	2.	8	2.	1. 12	1.	4	1. 6	16	1.	7.	4. 0. 60	1.	5. 6.	0.	
ML 4.	2.	1.	1. 13. 4	1.	6. 8	1.	13. 4	6.	8	6.	1. 2	1.	4. 7.	0.	
PL 3. 4	1.	12	1.	6. 8	1.	1. 4	1.	16	10.	8	5.	4.	10. 3.	15	
PL 2. 8	1.	4	1.	16	1.	10. 8	1.	12	8.	4.	2.	8	8. 0.	30	
PL 1. 12	0.	16	0.	13. 4	1.	10. 8	1.	8	5.	4	2.	8	2. 0.	30	
P 16	0.	8	0.	6. 8	1.	5. 4	1.	4	2.	8	1.	4	1. 2.	2. 60	
Q2															
U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	
SP 14-43.15	7. 2. 1. 45	6.	4. 9. 2. 30	3. 7. 0. 60	2.	4. 3. 15	1.	2. 1. 45	45	1.	1. 0.	69	9.	3. 51.	192
SP 12-9.230	6. 4.	3. 35	5.	4	3.	3. 0.	60	3.	2. 1. 45	1.	1. 0. 3.	15	8.	3. 21.	.
SP 11.2.1.45	5.	7. 0	60	4.	8.	3.	15	2.	9. 2. 30	1.	1. 0. 1.	12	7.	2.	64.
SP 9.7.0.60	9.	4. 9.	2. 30	4.	3.	2. 1.	45	4. 3.	15	1.	1. 0. 1.	12	6.	2.	34.
SP 8.	4.	3.	4	3.	4	2.	8	2.	1. 4	1.	8.	3.	21.	1.	12. 8
SP 6. 4.3.15	3.	2. 1. 45	2.	8	2.	1. 2.	30	1.	7. 0. 60	1.	0. 3.	15	5.	2.	3. 192
SP 4. 2.2.30	2.	4. 3.15	2.	8	1.	7. 0.	60	1.	2. 1. 45	9.	2. 3.	30	4.	1.	4. 8
SP 3. 2.1.45	1.	7. 0. 60	1.	4	1.	0. 3.	15	9.	2. 30	6.	1. 4.	1. 48	3.	1.	17. 64
SP 1. 7.0.60.0.9.2.30	8	8.	6. 1. 45	4.	4. 3. 15	1.	6. 1. 45	30	6.	3. 0.	60	0.	2.	3.	37
Q3															
U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	
SP 9. 2. 30	4.	3.	15	4	3.	0.	60	2.	1.	45	1.	2.	30	3.	15
SP 8. 2.	42	4.	1.	21	3	2.	30	2.	3.	39	2.	0.	48	1.	1.
SP 7. 2.	54	3.	3.	27	3	0.	60	2.	2.	18	1.	3.	51	1.	2.
SP 6. 2.	66	3.	1.	33	2.	3.	15	2.	0.	72	1.	2.	54	1.	2.
SP 5. 3.	3.	32	3.	39	2.	1.	45	1.	3.	51	1.	1.	57	0.	1.
SP 4. 3.	15	1.	45	2.	8	1.	3.	51	1.	1.	57	0.	3.	57	3.
SP 3. 2.	3.	27	1.	3.	51	1.	2.	30	1.	1.	60	0.	3.	35	64.
SP 2. 2.	39	1.	1.	57	1.	0.	60	3.	53	1.	1.	69	7.	1.	176
SP 1. 1.	3.	63	0.	3.	35	1.	2.	43	1.	2.	60	0.	3.	35	64.
SP 0. 3.	63	0.	1.	45	1.	1.	21	2.	30	1.	0.	30	1.	1.	176
Q4															
U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	
SP 9.	75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	Q. 75	
SP 8.	57	35	1.	13	66	44	22	2.	70.	128	2.	15.	95	2.	15.
SP 7.	45	25	1.	5	60	40	20	2.	48.	115.	1.	1.	73.	2.	214.
SP 6.	33	15	1.	15	54	36	18	2.	25.	102.	2.	1.	57.	2.	4.
SP 5.	21.	5	1.	70	32	16	18	2.	04.	89.	3.	1.	40.	1.	195.
SP 4.	18	9	1.	70	31	15	18	1.	57.	76.	4.	1.	24.	3.	57.
SP 3.	15	2	1.	45	31	15	15	1.	35.	64.	4.	1.	7.	1.	176.
SP 2.	12	1	1.	45	30	1	1.	30	1.	3.	60.	1.	1.	66.	38.
SP 1.	9	1	1.	45	30	1	1.	30	1.	3.	60.	1.	1.	66.	38.
SP 0.	6	1	1.	45	30	1	1.	30	1.	3.	60.	1.	1.	66.	38.
Q5															
U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	U.	S.	D.	
SP 75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
SP 6.	6	5	2.	128	2.	3.	128	1.	1.	2.	128	1.	1.	2.	128.
SP 5.	6	4	2.	128	2.	3.	128	1.	1.	2.	128	1.	1.	2.	128.
SP 4.	5	3	2.	128	2.	3.	128	1.	1.	2.	128	1.	1.	2.	128.
SP 3.	4	2	1.	128	1.	1.	128	0.	1.	1.	128	0.	1.	1.	128.
SP 2.	3	1	1.	128	1.	1.	128	0.	1.	1.	128	0.	1.	1.	128.
SP 1.	2	1	1.	128	1.	1.	128	0.	1.	1.	128	0.	1.	1.	128.
SP 0.	1	1	1.	128	1.	1.	128	0.	1.	1.	128	0.	1.	1.	128.

ooke place of the Old at Tenne, 25. June, 1625.
at Eight in the Hundred.

Memorandum, that the old Statute at Tenne per Cent.

The Index of Interest money at Tenne in the Hundred.

Game place to the New at Eight, 24, June, 1625.